

This **Listing of Claims** is provided for the convenience of the Examiner. No amendments are being made at this time.

**Listing of Claims:**

1. (Previously Presented) A method for delivering a plurality of video blocks to a user terminal serviced by a remote node comprising the steps of:

receiving, by a first WDM, a broadband signal from a broadband signal source;

separating, by said first WDM, said broadband signal into a plurality of optical bands;

modulating each of the plurality of optical bands with a composite signal representing data in a plurality of independent RF blocks to form a plurality of modulated signals;

forwarding said plurality of modulated signals to a second WDM to form a combined broadcast signal;

transmitting said combined broadcast signal over feeder fiber to a remote node;

further transmitting said combined broadcast signal over distribution fiber to a user's site;

and

selecting a RF block for distribution over a distribution fiber to a satellite set-top box at a user's site.

2. (Original) The method according to claim 1, wherein said optical bands match a Free Spectral Range (FSR) of a Waveguide Grating Router (WGR) at said remote node.

3. (Original) The method according to claim 2, wherein said forwarding step further comprises the step of selecting a stack of RF blocks using an optical filter nominally matched to one of said



**IN THE UNITED STATES  
PATENT AND TRADEMARK OFFICE**

**Applicant(s):** Martin Birk

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**Filing Date:** 07/30/2001

**Examiner Name:** Tran, Dzung D

**Group Art Unit:** 2613

**Title:** Method For Flexible Multiple Broadcast Service Delivery Over A WDM Passive Optical Network Based On RF Block-Conversion Of RF Service Bands Within Wavelength Bands

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EXAMINER:

**RESPONSE UNDER 37 C.F.R. §1.116**

**INTRODUCTORY COMMENTS**

This Reply is filed in response to the final Official Action mailed March 7, 2007, regarding the above-identified application. A response is due by June 7, 2007. Should any additional fees be due under 37 C.F.R. §§ 1.16, 1.17 or 1.21, the Commissioner is hereby authorized to charge payment of those fees associated with this communication or credit any overpayment to Deposit Account No. 01-2745.

**A listing of the claims** begins on page 2 of this paper.

**Remarks** begin on page 4 of this paper.

first WDM's optical bands at said user's site, wherein said stack of RF blocks represents one optical band of said plurality of optical bands.

4. (Original) The method according to claim 3, further comprising the steps of  
block-converting said stack of RF blocks; and  
bandpass filtering said block-converted stack of RF blocks  
to retrieve said selected RF block.

5. (Original) The method according to claim 4, wherein said combined broadcast signal is passively split and introduced to said WGR on a plurality of said WGR's input ports.

6. (Original) The method according to claim 5, wherein said combined broadcast signal is optically amplified prior to being passively split.

7. (Previously Presented) The method according to claim 6, wherein said delivery of a plurality of video blocks is augmented to additionally include delivery of switched services by using an additional narrowband signal source to provide a narrowband signal and by using an additional coarse WDM to detect and select said switched services prior to introduction of said passively split combined broadcast signal to said WGR.

8-28. (Canceled)